

national Forestry within the Forest Service within six months after November 28, 1990.

**(b) Deputy Chief designation**

The Chief shall appoint a Deputy Chief for International Forestry.

**(c) Duties**

The Deputy Chief shall—

- (1) be responsible for the international forestry activities of the Forest Service;
- (2) coordinate the activities of the Forest Service in implementing the provisions of this chapter; and
- (3) serve as Forest Service liaison to the director for the program established pursuant to section 6701 of this title.

**(d) Authorization of appropriations**

There are authorized to be appropriated for each of fiscal years 1996 through 2012 such sums as are necessary to carry out this section.

(Pub. L. 101-624, title XXIV, § 2405, Nov. 28, 1990, 104 Stat. 4060; Pub. L. 104-127, title III, § 371, Apr. 4, 1996, 110 Stat. 1015; Pub. L. 107-171, title VIII, § 8102, May 13, 2002, 116 Stat. 475; Pub. L. 110-234, title VIII, § 8202, May 22, 2008, 122 Stat. 1290; Pub. L. 110-246, § 4(a), title VIII, § 8202, June 18, 2008, 122 Stat. 1664, 2051.)

REFERENCES IN TEXT

This chapter, referred to in subsec. (c)(2), was in the original “this title”, meaning title XXIV of Pub. L. 101-624, Nov. 28, 1990, 104 Stat. 4058, known as the Global Climate Change Prevention Act of 1990, which is classified principally to this chapter. For complete classification of title XXIV to the Code, see Short Title note set out under section 6701 of this title and Tables.

CODIFICATION

Pub. L. 110-234 and Pub. L. 110-246 made identical amendments to this section. The amendments by Pub. L. 110-234 were repealed by section 4(a) of Pub. L. 110-246.

AMENDMENTS

2008—Subsec. (d). Pub. L. 110-246, § 8202, substituted “2012” for “2007”.

2002—Subsec. (d). Pub. L. 107-171 substituted “2007” for “2002”.

1996—Subsec. (d). Pub. L. 104-127 added subsec. (d).

EFFECTIVE DATE OF 2008 AMENDMENT

Amendment of this section and repeal of Pub. L. 110-234 by Pub. L. 110-246 effective May 22, 2008, the date of enactment of Pub. L. 110-234, see section 4 of Pub. L. 110-246, set out as an Effective Date note under section 8701 of this title.

**§ 6705. Line item**

The President’s proposed budget to Congress for the first fiscal year beginning after November 28, 1990, and for each subsequent fiscal year shall specifically identify funds to be spent on Forest Service international cooperation and assistance.

(Pub. L. 101-624, title XXIV, § 2406, Nov. 28, 1990, 104 Stat. 4060.)

**§ 6706. Institutes of Tropical Forestry**

The Secretary is authorized and directed to establish an Institute of Tropical Forestry in Puerto Rico and an Institute of Pacific Islands

Forestry (hereafter in this section referred to as the “Institutes”). The Institutes shall conduct research on forest management and natural resources that shall include—

- (1) management and development of tropical forests;
- (2) the relationship between climate change and tropical forests;
- (3) threatened and endangered species;
- (4) recreation and tourism;
- (5) development of tropical forest resources on a sustained yield basis;
- (6) techniques to monitor the health and productivity of tropical forests;
- (7) tropical forest regeneration and restoration; and
- (8) the effects of tropical deforestation on biodiversity, global climate, wildlife, soils, and water.

(Pub. L. 101-624, title XXIV, § 2407, Nov. 28, 1990, 104 Stat. 4060.)

**§ 6707. Urban forestry demonstration projects**

The Secretary is authorized to undertake, through the Forest Service’s Northeastern Area State and Private Forestry program, a study and pilot implementation project to demonstrate the benefits of retaining and integrating forests in urban development. The focus of such a study and implementation project should be to protect the environment and associated natural resource values, for current and future generations.

(Pub. L. 101-624, title XXIV, § 2409, Nov. 28, 1990, 104 Stat. 4061.)

**§ 6708. Biomass energy demonstration projects**

The Secretary, in consultation with the Secretary of Energy, may carry out projects that demonstrate the potential of short-rotation silvicultural methods to produce wood for electricity production and industrial energy needs. In carrying out such projects, the Secretary shall cooperate with private industries, Federal and State agencies, and other organizations.

(Pub. L. 101-624, title XXIV, § 2410, Nov. 28, 1990, 104 Stat. 4061.)

**§ 6709. Interagency cooperation to maximize biomass growth**

The Secretary may enter into an agreement with the Secretary of Defense to—

- (1) conduct a study of reforestation and improved management of Department of Defense military installations and lands; and
- (2) develop a program to manage such forests and lands so as to maximize their potential for biomass growth and sequestering carbon dioxide.

(Pub. L. 101-624, title XXIV, § 2411, Nov. 28, 1990, 104 Stat. 4062.)

**§ 6710. Authorization of appropriations**

There are authorized to be appropriated such sums as may be necessary for each of the fiscal years 1991 through 1997, to carry out this chapter.

(Pub. L. 101-624, title XXIV, § 2412, Nov. 28, 1990, 104 Stat. 4062; Pub. L. 104-127, title VIII, § 843, Apr. 4, 1996, 110 Stat. 1170.)

## REFERENCES IN TEXT

This chapter, referred to in text, was in the original “this title”, meaning title XXIV of Pub. L. 101-624, Nov. 28, 1990, 104 Stat. 4058, known as the Global Climate Change Prevention Act of 1990, which is classified principally to this chapter. For complete classification of title XXIV to the Code, see Short Title note set out under section 6701 of this title and Tables.

## AMENDMENTS

1996—Pub. L. 104-127 substituted “1997” for “1996”.

**§ 6711. Carbon cycle research****(a) In general**

To the extent funds are made available for this purpose, the Secretary shall provide a grant to the Consortium for Agricultural Soils Mitigation of Greenhouse Gases, acting through Kansas State University, to develop, analyze, and implement, through the land grant universities described in subsection (b) of this section, carbon cycle research at the national, regional, and local levels.

**(b) Land grant universities**

The land grant universities referred to in subsection (a) of this section are the following:

- (1) Colorado State University.
- (2) Iowa State University.
- (3) Kansas State University.
- (4) Michigan State University.
- (5) Montana State University.
- (6) Purdue University.
- (7) Ohio State University.
- (8) Texas A&M University.
- (9) University of Nebraska.

**(c) Use**

Land grant universities described in subsection (b) of this section shall use funds made available under this section—

- (1) to conduct research to improve the scientific basis of using land management practices to increase soil carbon sequestration, including research on the use of new technologies to increase carbon cycle effectiveness, such as biotechnology and nanotechnology;
- (2) to enter into partnerships to identify, develop, and evaluate agricultural best practices, including partnerships between—
  - (A) Federal, State, or private entities; and
  - (B) the Department of Agriculture;
- (3) to develop necessary computer models to predict and assess the carbon cycle;
- (4) to estimate and develop mechanisms to measure carbon levels made available as a result of—
  - (A) voluntary Federal conservation programs;
  - (B) private and Federal forests; and
  - (C) other land uses;
- (5) to develop outreach programs, in coordination with Extension Services, to share information on carbon cycle and agricultural best practices that is useful to agricultural producers; and
- (6) to collaborate with the Great Plains Regional Earth Science Application Center to develop a space-based carbon cycle remote sensing technology program to—

(A) provide, on a near-continual basis, a real-time and comprehensive view of vegetation conditions;

(B) assess and model agricultural carbon sequestration; and

(C) develop commercial products.

**(d) Cooperative research****(1) In general**

Subject to the availability of appropriations, the Secretary, in cooperation with departments and agencies participating in the U.S. Global Change Research Program (which may use any of their statutory authorities) and with eligible entities, may carry out research to promote understanding of—

(A) the flux of carbon in soils and plants (including trees); and

(B) the exchange of other greenhouse gases from agriculture.

**(2) Eligible entities**

Research under this subsection may be carried out through the competitive awarding of grants and cooperative agreements to colleges and universities (as defined in section 3103 of this title).

**(3) Cooperative research purposes**

Research conducted under this subsection shall encourage collaboration among scientists with expertise in the areas of soil science, agronomy, agricultural economics, forestry, and other agricultural sciences to focus on—

(A) developing data addressing carbon losses and gains in soils and plants (including trees) and the exchange of methane and nitrous oxide from agriculture;

(B) understanding how agricultural and forestry practices affect the sequestration of carbon in soils and plants (including trees) and the exchange of other greenhouse gases, including the effects of new technologies such as biotechnology and nanotechnology;

(C) developing cost-effective means of measuring and monitoring changes in carbon pools in soils and plants (including trees), including computer models;

(D) evaluating the linkage between federal conservation programs and carbon sequestration;

(E) developing methods, including remote sensing, to measure the exchange of carbon and other greenhouse gases sequestered, and to evaluate leakage, performance, and permanence issues; and

(F) assessing the applicability of the results of research conducted under this subsection for developing methods to account for the impact of agricultural activities (including forestry) on the exchange of greenhouse gases.

**(4) Authorization of appropriation**

There are authorized to be appropriated such sums as are necessary to carry out this subsection for each of fiscal years 2002 through 2007.

**(e) Extension projects****(1) In general**

The Secretary, in cooperation with departments and agencies participating in the U.S.